

M. Sc. (Medical Biochemistry) : SUMMER - 2019
SUBJECT: PAPER-II: METABOLISM AND NUTRITION

Day: Monday
Date: 03/06/2019

Time: 2.00 P.M. TO 5.00 P.M
Max. Marks: 100

S-2019-3886

N.B.:

- 1) **Q. No.1 and Q. No.2 are COMPULSORY.**
 - 2) Attempt **ANY SEVEN** questions from **Q. No.3** and **Q. No.10.**
 - 3) Figures to the right indicate **FULL** marks.
 - 4) Draw neat and labelled diagram **WHEREVER** necessary.
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| Q.1 | Explain: "Citric acid cycle is the common metabolic pathway for oxidation of food stuffs". | (15) |
| Q.2 | Justify: "Phenylalanine is dietary essential while Tyrosine is metabolically essential". | (15) |
| Q.3 | Purine salvage pathway and its disorders | (10) |
| Q.4 | Steps and Significance of Hexose Monophosphate (HMP) Shunt | (10) |
| Q.5 | Metabolic changes in prolonged starvation | (10) |
| Q.6 | Pyridoxine: An universal coenzyme | (10) |
| Q.7 | Trace elements | (10) |
| Q.8 | Vitamin D: Skeletal and Extra-skeletal Role | (10) |
| Q.9 | Diet for a patient of chronic renal failure | (10) |
| Q.10 | Formation and Fates of ammonia | (10) |

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